TSFS12, Assessment of Information and Technologies for ICT Safety, 7.5 credits

Värdering av information och teknologier för IT-säkerhet, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The pro-dean for First-Cycle Studies at the Faculties of Humanities and Theology on 2016-02-26 to be valid from 2016-02-26, spring semester 2016.

General Information

The course is offered as a freestanding course in the context of the contract education Social Innovation in a Digital Context. It can normally be included in a first or second cycle degree.

Language of instruction: English

Main field of studies	*Depth of study relative to the degree requirements*
Technology and Social Change	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course, the students shall be able to

Knowledge and understanding
- informed by the current discourse on issues of digital security, account for basic security measures, strategies and concepts with regard to safe communication
- account for basic IT tools with regard to safe online communication
- identify and classify possible threats on the basis of an assessment of safety-critical information
- draw up a plan of safe communication for both offline and online communication for a certain target group

Competence and skills
- make a general plan of safe information management
- classify information with regard to aspects of threat and security
- make basic use of relevant security software
- propose a complex solution to an identified threat to digital security for a development project in a specific context and situation

Judgement and approach
- justify and explain choices of security strategies for offline and online communication
- judge what is safety-critical information

Course content

The course focuses on knowledge and understanding of digital security measures, classification of contents and safe communication. The participants are enabled to identify and classify possible external threats through knowledge of what can be regarded as safety-critical information. The participants are also provided with a general overview of the discussion about security issues. Practical exercises provide the participants with basic training in technological security, risk assessment and the mitigation of risks in digital communication.

Course design

The teaching consists of lectures, seminars and scheduled group exercises. Participation in 5-8 seminars and group exercises is compulsory.

The course is offered partially as a distance learning course and makes use of an online learning platform and/or digital tools. Students are expected to participate on these conditions and to have access to a computer with internet connection. The department provides information about the technical requirements.

The introduction and conclusion of the course include a compulsory component of 1-2 weeks requiring face to face meetings.

Assessment

The assessment is based on ongoing assignments and a project presentation.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

To be admitted to the course, participants must have a Bachelor's degree in an optional subject.

Further information

1. The course is offered at the Centre for Work, Technology and Social Change (WTS) at Lund University.
2. The credits allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree. For further details see the current registration information and other relevant documentation.
3. This course replaces TSFS02.